TECHNICAL DEPT.

FEB 1 7 1928

The Oldest American Aeronautical Magazine

FEBRUARY 13, 1928

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VOLUME XXIV

Special Features

NUMBER 7

Light Airplane Clubs
The Thaden "Argonaut"
The Value of Advertising

AVIATION PUBLISHING CORPORATION
250 WEST 57 STREET, NEW YORK
ubbleation Office, Highland, R. Y. Batered as Becond-Class Matter, Nov. 22
200, at the Post Office, at Highland, N. Y. worlder Act of March 3, 1879

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February 15, 101 | County 15, 1928

VOU CAN SEE MORE..



CABIN PLANE. Experienced pilots on

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Fairchild "All-Purpose" sacnoplanes have by for greater vision than my other 'pless' of the wandows from floor to roof, the price to able to look ahead, flown and back relatively low in comparison with the ensize. Then, too, the prior's sent is below the lower wing surface, making it impro-

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may be easily raced or lowered to allow

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PARTCHED ABPLANE NANCEACTURING CORPORATION . Farmandale, New York

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Nothing can take

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The Ford all-metal, tri-motored

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C. St. State of Manhalan Special Acceptant Sale ; motivate.

FORD MOTOR COMPANY

(drawy 15, 1928

WACO Distributors

Out Selling all Other Airplanes 2 to 1

With Efficient Service Facilities Ready to Serve you -

Our Distributors are the outstanding leaders. Marketing the largest number of Commercial planes. has put then in the first rank as restords knowledge of



service to the ultimate purchaser

They are now taking shipments of WACO planes faster than we are able to build them. They will glacily demonstrate WACO features and explain their facilities for

mobile dealer. In addition their service includes fashe

Approved Type Certificates Nos. 11 and 13. Write or War Your Nessest Distributor



About Sides Company of Oblahors, American Altranda Comparedian, No. of Futblish, See Applies the history Col., Fronta Are Earths and Are

Desgine M. Davis, 1410 Copplant, Oto A. Martin. School Physics Physics Rankin Florag Service. Eners Firms Service, Technol. Sci., Pp. Tjerman, Madeigan - Madeigan Tax Latinus, but the best-shot Flori

Motors Abress Moneyalt Plant-Manager All Service Differs Montale New Region Amond Corporation, and Alex November Section Content

West Propins MACO Sign. Whether F. M. Renner, Durblin, Alleger, St. Perin, Parker, Printers, Phys. Lett. B 50, 111 (1981).

Blues Springs, Fren 16th Book Co-Clair Sharking Kidova Deller

M-LOZ

nnouncing

A Pure Paraffin Base Oil . . . Free Flowing in Both Zero and Summer Weather Authoritis reconcied AMLO for we selled you and common widther.
The development of the warrier of it the

A NEW bibinessing of it on the market. In it fift original and only oil developed to make the species needs of second money. Do not it both too and seament weather. This new oil is A-MA-CO. All Weather Is Alice to AMLO AMEO has every particle of was removed in a the first and only from Parallia Base labor cases oil to be much 200% our free which

been subjected to and proved every text, and AMLO is from the world lamous & Pera Pacific Store Oracle of regular to Dra could of A'MLO n 33 1/3% more from beauty to A'MLO n 33 1/3% more from beauty to the property of 11 AMLO or not yet available in your serrancy, were





TEXAS PACIFIC COAL AND OIL COMPANY FORT WORTH, TEXAS

Saure 15, 1998

PITCAIRN MAILWING



BACK of the Curtan Conder Bonber are the engineering and

shown a performance that for outcomes the usual conception

The CURTISS AEROPLANE



A plane designed is meet the specific requirements if both day and night air-mail and express transportation

The Male and has an annually high performance com-band with a marked degree of encouncerebility and tion of country.

SPECIFICATIONS ider man) Second (with landing lighter) Speed Such (Right) sweety, suchsiding night

1742 Bo. itt calles

PITCAIRN ATRCRAFT INC. BUILDING, PHILADELPHIA, PA



OUTSTANDING among the notable Achieve-ments in Aeronautics during 1927 was the capture of Four World Records by the new Vought "Corsair" Airplane.

OUTSTANDING because these World Records - One for Altitude and Three for Speed - were made with a strictly stock naval service "Corsair"

OUTSTANDING because these records were made without special preparations, the airplane, engine and propeller being the original service equipment delivered in October 1926 and used. without changes or modifications, in all flights

since delivery of the plane, even to date. OUTSTANDING because each and every

Vought "Corsair" is guaranteed to equal or better these World Record

performances; and is sold with such a quarantec.

Seaplane.



CHANCE VOUGHT CORPORATION YONG ISLAND CITY NEW YORK

r Colonel Charles A. Lendbergh and his cities from plane, the "Spirit of St. 4 Mondor, Tegucigalpa, Managua, San Jose, 12th the "wairst of St. Louis" has flown about 10,000 ; div . . . running to true to schedule merhead are, with few care than you would

fitting in The RYAN BROUGHAM to a stotershop "Cir is your plane. It is just as well engineered bulk with the same care ... has the same motor

KYAN BROUGHOM will have wheel hruken, 32 x 6 meli tires, hand starter, reverse walen bester, leather customed chairs, continue

addition to the results increa-

to make B. F. MARONES AURCRAFT CORP.



ASSENCTION, D. C. to Mexico City

the year reported at an excellent com-

HISTORY

Letters from three continents

From Col. Skala of the Czecho-Slovakian Army, who flew from Prague to Tokio-about 9,000 miles.

DEAR SIRE to the fight between Progue, Corcho-Sirvakia, to 2 State, Physic Colonel

In an amorine flight Coot, C. Kingsford-Smith and C. T. P. Ulm circumnavigated Australia, a trip of nearly 8,000 males, in 10 days breaking all former records. They cothurisatically give much credit to Mobiloil in their letter quoted below. Vacuum Oil Company, Pty. Ltd., Melleume.

GENTLEMEN to far as we are consumed one record breaking fight scound Assertable to not financed until my have written you

From Charles W. Meyers, winner of Class B New York-

Mr J W Groben DEAR Mr. Gustana. West to those you for your effects and size

VACUUM OIL COMPANY

New York, Olevan, Philadelphia, Tome, Raffair, Stores St. St.

Mobiloil The world's quality of

Printings, General, Greener, Jones, Super, Co. Sale.

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Index to Contents

21 Trees or Americans to Date ... Burners are Co Actor Proces - 1360 Everywee or AC Scene Part Co. Brazer Penternor of Pares

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The Farrehold-Cummer Colon Monoplese, which with attempt to break the world's sudurance record, posecool with a 135 hr. Commer runne, remaped with

SCINTILLA Aircraft Magnetos

SCINTILLA MAGNETO COMPANY SIDNEY, NEW YORK Contractors to the U. S. Army and Nave

FERRUARY 13, 1926

The Oldest American Aeronautical Manazine

Setting a Precedent

TH NO also of pulling out dirty liese that for les that he broke was one pertending to low flying, market which admittedly books a "kack" for the Boy have been many priors who have broken that to make it both possible and worth while for manufac much speaker by, efficiency to the small place ciars relevence is not made to the Connectoral office on an

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Refinement In Design

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of 90 hp, as fitted in place of the GX the performance will be very considerably increased but it is very upoli. Whatever the owner wishes in line of performance he his detern. With comuses representing half the cost of the plane the ultimate cost of plane refinements to the

Aircraft and Insurance

DASSENGER AND agreed insurance has been go-Ageraft operators have not taken out magazine beonuse the rates were high and rates could not be low-This situation has begun to shange. Not only is there craft and passengers are more stalely assured. In every went he chardel contaguly he able to offer it to has past that it is oursed will put any conjern on a sounder



o excel in design and performance—to surpass in every detail from which a reliable aircraft engine is judged-to be superior in mechanical excellence-such has been the ideal and fulfillment of Wright.

This Organization's active interest does not end with the sale. A widespread Service Department is maintained to see to it that the product of this Organization never falls below Wright Standards. WRIGHT ACRONAUTICAL CORPORATION

WRIGHT



Some Information Regarding Advertising Methods Used by the

Alexander Aircraft Co. in Securing High Level Sales

reference to graphs of planes, although desired and of

Of source there are other little things done with advance

But the true of advertising is appropriate different to

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Wood Out List Every Three Months

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Day 1907

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By O. R. PLATFER, AND ADDRESS SAME Montager Trick B. RECEPTER. Arm. Another Sales Stronger.

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February 13, 2926

ARPHAND RIDES

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AVIATION

By AN ENGLISH CORRESPONDENT

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February 13, 2028 | telesory 13, 1928

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APPROVED AIRPLANES, to door, were lived to a comd Connerse. Please approved are so follows: Ball Access (Wester Wherland survey) Source 60-A Mail Place (P. & W. Waco regree) Manualer Engineer's Lawr Water (OX 5 or OXX-6 sugars

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Desgin M-4 (Laborty 12 regine)

3 Princers PA-5 (Wright Whistword engine Tracky Brimer Challenger Broken (OXA engue) 7 Farrield Calus Measuring FD 2W (Ware correct) Spokane Acts to Acquire Airport

Print condition

Land to Insure Safety for Fliers POSTERNATION PROCESSOR to assure 229 acres mirred are passes of 1997 were held, here been undertaken

min the frong field and the pemping plant is at the edge be appert at Paggwater, but two private consume own the

Cerny and Vlcek Pilot Avias

To World Light Plane Records

EXISTING ENDURANCE recents for their class were re-

iq. Walter engue, from 5-56 A.M. until nearly 5 P.M. Se construe 44 lace of a 25 G mi. source, successmentally 1660 mi., The two motion, a H.H. S standard service machine will normal 50 by. Waller syame, handed shortly before T P.M. Both places landed after the past with sufficient fied for too more or have Warded before the trul with full

New Western Air Line Reports Full Loads During First Month

CONSISTENT FULL passenger loads featured the first by the Ago Copp., of Cubfernia. Folder Universal caking Walter A. Hamilton, shee reperintendent, reports that

Buys Lockheed "Vega" Monoplane For Special Oil Field Service

MR ERLE P. Habburton, president of the Habburton Od

a Lankhred "Voog" Mensolase, Wright Whylwod symposis,

Now, record breaking yours had faller, yet the field was on service of oil, took and equipment, and for seven work on

February 13, 202 (Japany 13, 1925)

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awales are tested open completion for waterfashtness for

-the Downer P700 I cheshoard firsters. As these floats are

Farman Expert Becomes New Chief

Engineer of AC Spark Plug Co. ROBERT MERATY was recently approved shed regresses

Alexander Starts New Year With

Many Unfilled Orders for Planes THE ALEXANDER ASSESS On storted the year 1928 with

Darwy the final week of the old year, 16 each orders were During 1927, the company delivered 264 places as somwer than made. Because of weether conditions, a port of



Brewster and Co. Activities

Long Island, N. Y., Firm Enters Commercial Field After Building Service Pontoons and Floats Since the War

SHORT TIME ago an annument was made by state process developed by the method is considerably by-Amer Air Corns and the Bureau of Ascormico. This re-

Under Contract With Chance Yought

cease show, but also to much watertight compartment, and it is An all motel mote floor for the weaght (AFC-1 but) by if

to or motel man from built by the Browner Co.

the and wood structure described in the Out, 24, 1927, untre-To word the used over the Reswiter accommatical facilities "The bore legit for the TS sensitive in 1922 (These, inci-



Parts are Checked Corefully

The Cirrus Mark II Engine

An English Four Cylinder in Line, Direct Drive, Vertical Air Cookel Engine Bated at 78 Hp. at 1800 R.P.M.

PROCESS COMMENT Mark II orgins, manufactured by the



store measured would at it now rated at 78 ho , at 1990 sixter It develops a maximum of Si by at 2,000 rpm, and wegls

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The Hamilton Metabolane Co. Starts Production of Planes

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THE HAMILTON Metalplace Company, of Milwarker which will held five passengers and a paint. Officers of the

Four Agencies for Faglerock Planes Operating in Florida WIESLEY N. RAYMOND, Radsoock distributor on Flori-

Operating water the name of Brymond Aircraft Company,

come of exhibitive Fiving activities, but the year 1927 has

A Total of 23 Plance It six five flying fields already mentioned, the subsidiary

for your a total of 28,580 manuscry was carried by ler hidder when the proposals for carrying mad by sir is around. On New 23, Protessarier Georgial New arother between Atlanta and Misses will suchede a view the class of 1925, amatica, where perpetty controlled, will

property with an OX-5 sugars. sirenty many Madways on their mater. Therican of these

totaled \$150,000 and the Picture factory is now gened up

During the latter part of the year Peterion Aviation, Inc. has been reconstrating on hubbles up the organization necessary to handle the sizesof law. The necessary energy duties that has been had for 1920. Princips a rootion has has entered the new year with a clear ral strike, operation







Pitcairn Progress in 1927

A Brief Summary of Activities and Accomplishments That Gives Indication of a Successful Future

By W. LAUBENCE LAPAGE

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The express that was made poter to bidding for the lies addies of the South. With the slee of excedition the redw



Februar 23 11 | 14uars 15, 1928

model databases radional at interests and bushess



The Thaden "Argonaut"

All Metal, Six Passenger, High Wing, Cabin Monoplane is Powered With a Pratt & Whitney "Wasn" Engine

By D. R. LANE

Wrog Speed of 53 Fr

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The facelege to of measurage construction. It material because the intermediat is controlled through public suspension which is a speciment in not material, here over a strong part of the power is managed and the property investige. This marketime most to fabrication and according whether more life. Engineer



New of the Argument fitted with a Bury capper Nove the manufaces the enterior of the plane at contextable temperature

Estrongs to the cable is through an avail door on the left type invert it continued results. The subm charge are of rucker, regenerated on brackets so that the floor or short und the passengers have surple begroom. There are wardows on to the orders and aft of the pilot's place. A harrier conbetween it provided just all of the passengers' action. The E T Tubi. excepts engineer of the Thates Corpora-

framework or traveley. The tree of construction volume structural weight and solves many problems of production Construction of the new plane has been earned out along



N A C A Publishes Technical No. future prediction. Mest of the methods used so turning out

engineering. The engineering stoff includes experts from the

Spen at 1 No. of manufacture in addition to point 64 Weight cupty with Posts & Whitney Warp cupus 2000 ib-Fuel reparity 120 gal

C. S. Hanson of Youngstown. O. To Distribute American Eagles APPOINTMENT OF C S Hanco of Tomostown, O, as on Northeastern Okio was recenfly unde by the American

We Haram has a bourer and field five miles porth and are open in the raing industry. Hence place to display

Advance Aircraft Co. Puts New Airport in Shape for Early Use THAT THE new apport receily purchased at Tree, O., by the Advance Accords Co. to propedly being ped in shape, is reported in an anananement by C. J. Brukeser, predicted construction of houses will undably baris shortly analigns Part carbon abinometr of classes have been made delta be-

On Resistance of Airplane Pro-ON JAN. 25, 1925, the National Advance Communication

course farmed at any opening from 50 to 200 months to a



Fact chamber showing the extraore cone and mounting of mireleses.

Equipment at Langley Memorial Leboratory, Com-Terhanel Note No. 971 may be obtained from the Natural Milwaukee Flying Field Reports

Successful Year, No Fatalitie A DIPLANES TRAVELED 204,000 mg from the Mily. her county expert during the year 1907 without a not serious assident, according to the annual papers of the Y wather County Park Commission under which the arrest special. Asserting to the statement, 1,370 converges see stepped for refacions. Accommonately 163,000 surving valvi Air suff hardled from Witnessban for the year totaled Bill

then 12,000 fb., of which 7,000 was enderson. During "

February 15, 261 February 15, 1925 logidy esthusests; over the performance of their Lockbool Navy Chance Vought Planes Flow

Total of 26 672 Hr. During 1927 THE POPULABITY of Vought places among the E. S. New process of formy does during the found year 1927. A show during 1006, by about 1,500 by and with the lane

The places new being defreend by the Vouglet factory are of the "Cornely" model, the true which now holds four world

of the "Cornels" moons, the type which how been now worse master for all their and speed. The "Cornels" has already proved doubt "master first" having taken an active part in me" which was used by Lorestonant Solult in his recent fact "Stream" were entarpointed from the S. S. Mennths and other he bernes. Vought places are used extensively on the arr only some if it Lingsty and the quote of Corners for the Dept. of Commerce Approves Use

port published on tests made in the new Propelly Search it and day eat.

Lockhood Plane is Tested and Equipped for Arctic Expedition THE PLEASURE have been completed and last manufathe recents constructed for Capt. George H. Wilkins, head explorer and nearthst, according to marrie from Regars Assessed. Loss America, Cold. The ultras in to be used the Annua to evidebilish a chain of metrocological stations Week Whatened engree, has been specially equipped with of Peace Storges Of the dight, 2500 au. will be over terri-Depends found landing in the northern spow and see felds, produces have been made for converting a perton of the

Capt George H. William and the Lockhood Toys memoryless which he will use on 1905 Archit exception engined Fokker. This seem Felder aspectage was recordly

Of Siemens-Halske Engine in Waco

7 S Coast Guard have, are Youghts doing they not day FUNAL APPROVAL of the Department of Communication value Aircraft Co of Tray, O. This issues that the Otto James Johanns, department respector for Okio and Wickers's The plane, which was pelested by Chesten Meyers, wagner of the New York-Spokane rece, was found to take off in 283 landon stap in 284 ft. It further bein, a series of eight With the amportion complete, C P Van Stekler, selecsusmaner of the Advancer Agreeaft Co., stated that the ownyony is prepared to brook immediately lyto quantity use during of Wacon compyred with the Signature Halebo were criteder surias. Our hypotest of the surrous are absents as Me. Ven Station was not prepared to state whether or not

Diesery 13, 1928

New Supercharged Hawk Produced By Curtiss for the Army Air Corps A NEW aspendanced plane of the dambert Cortex Best.



level conditions, if it wast, up to \$0,000 ft. allitudes. The propeller is discussed in the final pages

areal turnel type radiator, assemblet larger than they

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Plan to Bur Plene

the elections were held. H. W. Halverson, a Naval Baserve not place and fivour nativestan at special slab rates. This plant of the cigh's activities must of moreously lapse table The sink offers a volume to all flow visiting likes and erges them to get in touch with it. Current-column from other claim would also be appreciated. This should be ad-

The Aviation League of Manitoba Is Organized in Winnipeg, Can.

WITH SUPPORT from man of the most progressed besthe was recently formed in that city, asserting to Count Bello B. Window there. Officers of the learns are now orrenition a light sirplene slab for the perpose of accepting

The longue's objects are: 1. To feeter, successary, and strance the smeets of astronautics, 2. To bladle and heep from regulations, and air region; 4. To prepare and distrahere present and seministic accountries data pertaining to Coursborn confidence from fields, and air rester, 5, To recurrenced ordering volunteer air endet namefarres for berry The AIRSEDAN

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J. W. Watson Co. BuysWaco 10 For Large Territory Sales Work placed his order for a Ween 10. The tendant that Mr. The plane will be delivered in March, and will be topi at the Delenerary Airport and a T-shaped langue on to constructed at a private tending field peer Mr. Smith's home A complete log will be kept of all flieble, so that the seLow Horsepower Engines Being Developed by O. E. Szekley Corp.

majorate barn 615 in bore and 615 in strake with a be less heal to represent reconfusions. The releader Minneapolis Flying Club Starts With a Membership of Fourteen

THE MINNEAPOLES Flying Club has recently been organ ssed with a membership consisting of wartnes pidote, com-Larnt. Boger J. Sangout, the head of this new oppositables wer an officer in the Royal Air Forces during the way There are fearteen monders at present, who are plantales

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to working up plant to present to the aviolate countries of The Southwest Arresps, Inc., of which Bob Torontee h president, remarked Alfways, the, at wome side Thirteen president, remarky arranged with the Scothwast Nath Meter

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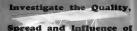
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